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HJ Zhang, CY Low, SW Sankar... - Proceedings of the third ACM ... 1995 - dl.acm.org

... Figure 3: **Key-frame**-based hierarchical **video browser**. As we pointed out earlier, another advantage to using **key-frames** in browsing is that we are able to browse the video content down to the **key-frame** level without necessarily storing the entire video. ...

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HJ Zhang, CY Low... - Multimedia tools and applications, 1998 - Springer

... Also, we present content-based video browsing tools which utilize the information, particularly about the shot boundaries and **key frames**, obtained from parsing. ... Consecutive frames on either side of a camera break generally **display** a significant change in content. ...

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 include patents include citations[An integrated system for content-based video retrieval and browsing](#)

HJ Zhang, J Wu, B Zhang... - Pattern recognition, 1997 - Elsevier

... Shape and edge features: Dominant objects in **key frames** represent important semantic content and are best represented by their ... 7. Keyframebased hierarchical **video browser**. ... in which 71 shots have been classified using the 64bin color histograms of **keyframes** calculated in ...

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[\[PDF\] A hierarchical keyframe user interface for browsing video over the internet](#)

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M Guilleminot, P Wellek... - Proc. of the Ninth IFIP ... 2000 - infoscience.epfl.ch

... component of video <scene> video scene component <shot> video shot component <subshot> video subshot component <keyframe> timestamp value of **keyframe** Table 1 ... The XML-based **video browser** allows fast browsing of video recordings through multi-level **key-frames**. ...

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K Ratakonda - US Patent 5,695,685, 1998 - Google Patents

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[PDF] from psu.edu

LA Rowe, JS Borodzy... - 1994 - Citeseer

... The Virtual **Video Browser** [12] is a video retrieval system that stores limited bibliographic, actor, and ... it), 3) visual characteristics such as color, texture, and shape, 4) a few **key frames** that are ... formats (eg, a table that lists movie titles, a canvas that displays **keyframes** labeled with ...

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[Method for hierarchical summarization and browsing of digital video](#)

K Ratakonda - US Patent 5,656,628, 1998 - Google Patents

... Additional steps may include computing histograms for the digital video sequence; detecting shot boundaries within the digital video sequence; determining the number of **keyframes** to be allocated within each shot; locating the actual position of each **keyframe** within each shot ...

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### [Videotrees: Improving video surrogate presentation using hierarchy](#)

M Jansen, W Heeren... - Content-Based Multimedia ... , 2009 - [ieeexplore.ieee.org](#)

... A click on one of the **keyframes** in either browser pane resulted in the video ... the Perceived Level of Control also influences a user's satisfaction with a given **Video browser** ... We explored the benefits of hierarchical presentation of **key-frames** in video browsing by presenting and ...

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[HTML] from micheljansen.org

### [Video browser, data magnifier](#)

DJ Lloyd-Jones, JR Kowald - US Patent 7,073,128, 2006 - Google Patents

... product comprising a com- puter program for apparatus for conceptually magnifying 2 **video browser** data, said ... a number of items, where each item is associated with one or more **key frames**, one of ... allows the user to see the actual content more clearly as the **keyframes** in the ...

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### [\[PDF\] OBI: Hierarchical 3D video-browsing](#)

K Manabe, M Mühlhäuser, ... - ... of the Sixth ... , 1998 - [elara.tu.informatik.tu-darmstadt.de](#)

... **Video browser** interfaces must avoid time sequential viewing of the original video (except upon user ... The Static presentation of **key frames** allows other browsing strategies to be implemented, like ... Previewing video data: Browsing **keyframes** at high rates using & video slide show ...

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